

19991208.qrp v01_n663.qrl.991208

Date: Wed, 8 Dec 1999 19:03:05 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1663

QRP-L Digest 1663

Topics covered in this issue include:

- 1) [57556] Re: Thank you from KI6DS
by "Donny" <dsirait@centrin.net.id>
- 2) [57557] Fox Log: N/T+ KB9TIQ
by "Terry Bassett" <mutabut@net66.com>
- 3) [57558] N/T+ Fox Cancellation: KB9TIQ
by "Terry Bassett" <mutabut@net66.com>
- 4) [57559] HBR-20 pix
by "AI2Q Alex" <ai2q@ispchannel.com>
- 5) [57560] Receivers: CW Filters
by "James R. Duffey" <jamesd1@flash.net>
- 6) [57561] New 12 Meter Distance Record
by radioham@erols.com
- 7) [57562] Re: The Actual Message sent to all U.S. Amateurs on Dec. 7,
1941, as received by W9PRS.
by kc8aon@juno.com
- 8) [57563] Supreme Happy WAS kinda Dancing!
by Brian <brian@iquest.net>
- 9) [57564] Grounding shack equipment
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 10) [57565] FS: QRP Xcvrs
by "Floyd Smithberg" <flydnq7x@primenet.com>
- 11) [57566] Re: Supreme Happy WAS kinda Dancing!
by Macstein@aol.com
- 12) [57567] HELP--FT-840 AGC
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 13) [57568] Re: Supreme Happy WAS kinda Dancing!
by "Bob Tellefsen" <n6wg@earthlink.net>
- 14) [57569] HB: CW mods for HTX-10
by n5ib@juno.com
- 15) [57570] Kantronics Qrp
by hgruen@pacifier.com (Huston Gruen)
- 16) [57571] New Products, New Prices, and New News from Morse Express
by "Marshall Emm" <mgemm@mtechnologies.com>
- 17) [57572] FS: HW-9, HFT-9 tuner, HD-1410 keyer, PSA-9 PS.
by "Kelly Ellison" <kelman@dialnet.net>
- 18) [57573] CONTEST:FDIM Building
by "Ken Evans" <w4du@bellsouth.net>

- 19) [57574] fs: Electronic Engineers' Handbook
by "Rich Dailey, KA8OKH" <okh.npi@gte.net>
- 20) [57575] Recommended reading
by "Rich Dailey, KA8OKH" <okh.npi@gte.net>
- 21) [57576] Re: Receivers: CW Filters
by Thomas Kuehl <ac7a@gci-net.com>
- 22) [57577] Re: Receivers: CW Filters
by "Paul Harden, NA5N" <na5n@rt66.com>
- 23) [57578] Re: Grounding shack equipment
by Pete Burbank <plburbank@kih.net>
- 24) [57579] Italian Call lookup
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 25) [57580] NEED: Schematic for HW-8
by w4pj@w4bkx.ampr.org
- 26) [57581] address needed
by K4NK@aol.com
- 27) [57582] Re: Receivers: CW Filters
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 28) [57583] KF4AR
by Tom Palmer <n1tp@worldnet.att.net>
- 29) [57584] Winding Toroids
by "Dan W. Dooley" <dandooley@pipeline.com>
- 30) [57585] FS: QRP Rigs and Stuff, updated
by tatkins <tatkins@unix1.sncc.lsu.edu>
- 31) [57586] KnightSMiTe Documentation
by Derek Brown <DBrown@RFMD.com>
- 32) [57587] HW-8 parts info needed
by Mike Czuhajewski <wa8mcq@erols.com>
- 33) [57588] Re: Ham Radio for Kids
by Bruce Kizerian <kizerian@ced.utah.edu>
- 34) [57589] Re: Receivers: CW Filters
by "Vincent Ferme" <vferme@sprint.ca>
- 35) [57590] FS: Wilderness Sierra
by Steve Kubisch <WW7Y@sisna.com>
- 36) [57591] tip 48
by paul taylor <ptay1@miro.bestweb.net>
- 37) [57592] Re: CONTEST:FDIM Building
by Dave Ek <ekdave@earthlink.net>
- 38) [57593] new key- other uses?
by jmbrown@edge.net (JERRY BROWN)
- 39) [57594] Getting feedline into house
by kreinbd@ccgate.dl.nec.com (David Kreinberg)
- 40) [57595] Re: Getting feedline into house
by "Mike Yetsko" <myetsko@insydesw.com>
- 41) [57596] Re: tip 48
by "Steven Weber" <kd1jv@moose.ncia.net>
- 42) [57597] Re: Winding Toroids
by "Leon Heller" <leon_heller@hotmail.com>

- 43) [57598] QRP ARCI Membership Inquiries
by PDouglas12@aol.com
- 44) [57599] QRP Y2K Contest
by jaywa5whn@juno.com
- 45) [57600] Re: Getting feedline into house
by "Steven Weber" <kd1jv@moose.ncia.net>
- 46) [57601] RE: Getting feedline into house
by Karl Kanalz <KKanalz@excel.com>
- 47) [57602] Re: Getting feedline into house
by Monte Stark <ku7y@dri.edu>
- 48) [57603] Re: Getting feedline into house
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 49) [57604] RE: tip 48
by "Ed Tanton" <n4xy@att.net>
- 50) [57605] HB: miniPIG-10 ten meter CW tranceiver
by "Ed Manuel (N5EM)" <n5em@flash.net>
- 51) [57606] Re: Supreme Happy WAS kinda Dancing!
by zmola@campbellsci.com
- 52) [57607] Re: Getting feedline into house
by Jerry Haigwood <w5jh@swlink.net>
- 53) [57608] Re: miniPIG-10 ten meter CW tranceiver
by "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
- 54) [57609] Re: HB: miniPIG-10 ten meter CW tranceiver
by Shephed@aol.com
- 55) [57610] Scott w4pj, where are you?
by Dennisskea@aol.com
- 56) [57611] Re: feeding dipoles with ladderline... also some tuner thoughts
by "Arthur G. Silvers" <ags@ieee.org>
- 57) [57612] FS: Unbuilt NC20 Kit
by Glen Reid <k5fx@flash.net>
- 58) [57613] Re: KnightSMiTe Documentation
by "C. Lamar Derk" <n3at@noln.com>
- 59) [57614] N/T+ FOX: 2200 12/8/99 - 0000 12/9/99 UTC
by dnt1@daimlerchrysler.com
- 60) [57615] Re: Ham Radio for Kids
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 61) [57616] tube kits
by zmola@campbellsci.com
- 62) [57617] 10m rig kit??
by sergio <sruiz@bright.net>
- 63) [57618] Re: Getting feedline into house
by Pete Burbank <plburbank@kih.net>
- 64) [57619] WAS
by Larry Cahoon <wd3p@juno.com>
- 65) [57620] Re: Ham Radio for Kids
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
- 66) [57621] super cmos III instructions
by Paul Erickson <pauale@sfu.ca>

- 67) [57622] O-Scopes
by "Mugleston, Brad" <brad.mugleston@gwl.com>
- 68) [57623] FOX LOG revised: KB9TIQ
by "Terry Bassett" <mutabut@net66.com>
- 69) [57624] Obsessed!
by Ed Loranger <we6w@qsl.net>
- 70) [57625] J-38 lapel pins
by n5ib@juno.com
- 71) [57626] 'Tis the season - clipart (ham)
by Roger Hightower <n7kt@earthlink.net>
- 72) [57627] WAS from Multiple Locations
by radioham@erols.com
- 73) [57628] Zombie shuffle pins
by "C. Lamar Derk" <n3at@noln.com>
- 74) [57629] Re: QRP Y2K Contest
by jaywa5whn@juno.com
- 75) [57630] Re: 'Tis the season - clipart (ham)
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>

Date: Wed, 8 Dec 1999 07:08:39 +0700
From: "Donny" <dsirait@centrin.net.id>
To: <ki6ds@dospalos.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57556] Re: Thank you from KI6DS
Message-ID: <000901bf4110\$68669a20\$fef192ca@donny>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear Doug,

It's great to have you back on the list, however
pleasee take your time and pace, slow but sure.

God Bless you Doug and have a nice advent
season.

>From your humble friends in Indonesia

vy 72 de Donny YB6LD/1
Bekasi Indonesia

Date: Tue, 7 Dec 1999 18:22:06 -0600
From: "Terry Bassett" <mutabut@net66.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57557] Fox Log: N/T+ KB9TIQ
Message-ID: <000a01bf4112\$43593600\$225e8bce@host.net66.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Callsign	Name	S/P/C	RST	RST	QRPL #
KA9TXE	Terry	IL	579	399	977
K2UD	Howard	NY			1530
N1TP	Tom	FL	55n		1317
KC2BJJ	Tom	Mo		239	

Gang, I put this log together from my (KA9TXE) notes, as Tony is ill and has not attended school (so that my daughter could bring me his log). QRM and QRN were the usual--terrific.

Tony started out on 7104 then qsy'd to 7142, 7138, 7136 and lastly back to 7104. He certainly tried to find a spot to operate from, but it wasn't in the cards. He may as well stayed where he started...another lesson learned.

Due to family arrangements, Tony will not be operating his Fox Sked this coming Saturday night. I'll make a separate post to Qrp-1 in case someone doesn't read this post.

72

Terry, KA9TXE East Central Illinois

Date: Tue, 7 Dec 1999 18:24:48 -0600
From: "Terry Bassett" <mutabut@net66.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57558] N/T+ Fox Cancellation: KB9TIQ
Message-ID: <000c01bf4112\$a34ccf40\$225e8bce@host.net66.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello All,

Tony, KB9TIQ, will be unable to perform his Fox Sked this coming Saturday evening. Thank you to those who have been looking for him and to those who have found him.

72,

Terry, KA9TXE East Central Illinois

Date: Tue, 7 Dec 1999 20:21:37 -0500
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [57559] HBR-20 pix
Message-ID: <000001bf411a\$93483000\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

To see some photos of the HBR-20 under construction here using Manhattan techniques, go to

http://www.qsl.net/ka1axy/AI2Q/ai2q_20.htm

Many thanks to Peer, KA1AXY for hosting these photos.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

Date: Tue, 07 Dec 1999 18:41:08 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: kleibe@anatel.gov.br
Cc: qrp-l@lehigh.edu
Subject: [57560] Receivers: CW Filters
Message-ID: <199912080141.TAA27228@ogopogo.flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Kleibe: I see that no one has answered your query;

"I need a help on cw audio filters, web or schematics."

so I will take a swing at it.

Normally I would refer one to the ARRL Handbook for these general information kinds of questions, but the Handbook is uncharacteristically lacking in this subject. I understand a member of this list is going to correct that soon.

The best written reference on the subject I know of is "The Art of Electronics" by Horowitz and Hill. It has half a chapter on active audio filters. It is all good reading and information. Horowitz and Hill should be available at most large libraries. If yours does not have a copy I am sure that it can be obtained through interlibrary loan. I frequently see copies for sale in the bookstores here. It is a common college text so I would suspect that it is available in Brazil as well.

I would recommend that a switched capacitor filter be used as a CW filter. Maxim makes several that are 8 pole low-pass filter in an 8 pin DIP. These are rather pricey as far as integrated circuits go at \$6 or so a pop, but are readily available from Digi-Key. The total cost for an 8 pole filter is not much more than if it had been made from op amps. You can find N7VE, Dan Tayloe's excellent implementation of switched capacitor CW filters at:

<http://www.extremezone.com/~ki7mn/>

Look for the links to SCAF and MINISCAF. These filters are excellent performers. They are designed to be used at the output of a regular receiver as the signal to noise ratio is best with input signals near 0.5 volts or so. If you use these in a receiver, some amplification, with filtering, should be used between these filters and the product detector. Linear Technologies and National also make similar chips. You may wish to point your browser to their Web Pages.

If you want to make an active filter out of conventional opamps, SM0VPO has several circuits on G3YCC's page:

http://www.g3ycc.karoo.net/sm0vpo_1.htm

If you use a circuit for discrete op amps I would substitute modern opamps for the 741s. The newer opamps have lower noise and lower distortion. Also use 1% resistors and as high precision capacitors as you can find. If the resistor and capacitor values stray much from the design values then there will be ripple in the passband and the cut off may not be sharp.

I hope that this helps. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Tue, 07 Dec 1999 21:08:50 -0500
From: radioham@erols.com
To: qrp-1@lehigh.edu
Subject: [57561] New 12 Meter Distance Record
Message-ID: <3.0.6.32.19991207210850.007c96a0@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

As QRP ARCI Awards Manager, I am very happy to announce the fall of an old record and the establishment of a new record-

Jim Hale, KJ5TF, has broken his recently established record on 24 MHz.

Old Record:

24 MHz KJ5TF 100mw SM0CCE QRO 4,814 48,140mpw CW 991103

New Record:

24 MHz KJ5TF 70mw GW3KGV 100W 4,306 61,514mpw CW 991122

Congratulations, Jim and Ken (GW3KGV).

Lots more records at risk out there. Take advantage of the sunspots and give it a try.

72/73,

Steve, N4EUK
QRP ARCI Awards Manager
<http://www.qrparci.org>

Date: Tue, 7 Dec 1999 17:55:15 EST
From: kc8aon@juno.com
To: w8erv@email.msn.com

Cc: qrp-1@Lehigh.EDU

Subject: [57562] Re: The Actual Message sent to all U.S. Amateurs on Dec. 7, 1941, as received by W9PRS.

Message-ID: <19991207.211301.4575.0.kc8aon@juno.com>

From: kc8aon

Subject: Multiband Vertical Antenna

X-Status: New

By: Rick McKee KC8AON It seems that today, most hams have very little space for full size dipoles for anymore than the highest HF bands. Most hams seem to be able to put up maybe one or two dipoles for the higher HF bands or they either opt for something like the famous G5RV and a tuner. Although the G5RV and a tuner will do a great job on the low bands, as will the dipoles, they just don't do all that great on DX. The 1/2 wave dipole and the G5RV are a decent ground wave antenna, and will work some DX, but they leave a lot to be desired. Most of the time, hams are simply not able to get their wire antennas high enough to work properly.

A half wave dipole needs to be at least 1/4 wavelength above ground to get the most out of it, and that translates into a whopping 65 feet at 80 meters ! And when you are talking about an antenna that is 130 feet long, its almost impossible to fit the darn thing on most city lots. Ok, then what do I do ? The answer is very simple, use a multiband vertical ! Yes, I know, most commercially made multiband verticals are very expensive. Some of the models that I have seen are comparable in price to a tri band beam, at least with the vertical you don't need to buy a rotator ! But why not just build your vertical ? Its really not as hard as it sounds. I built one using an old 5/8 wave 11 meter antenna that a friend gave me for free ! Poor guy will learn that hams have more fun someday ! Anyway, this 11 meter antenna had an SWR problem so he took it down and bought a new one, so his loss was my gain. This particular 11 meter model was nothing more than a 22' telescopic aluminum radiator, with a matching coil in its base. To start with, I took the coil apart to see what might be wrong. What I found was simply a bad solder joint in a very cheaply made coil ! The rest of the antenna seemed to be made very good, so I took the 11 meter coil out, and this isolated the radiator from ground. I then started looking around in my junk collection and found a coil that I had been saving. This coil was about 4.5 inches long, about 2 inches in diameter on a fluted ceramic coil form and wound with 14 gauge tinned copper wire. I added this coil to the 22 foot radiator, attaching one end to the bottom of the antenna, and the other end to the SO-239 connector at the bottom of the mounting bracket. Then, wondering where the thing might resonate at, I got out my trusty MFJ-207 SWR analyzer, and my Radio Shack hand held frequency counter. Everyone that plays with antennas should have instruments like these, MFJ even make models that cover HF thru VHF, and have the frequency counter and an impedance meter all built into one neat little box ! Making antenna measurements a snap. Anyway, back to the project. I connected

the SWR analyzer to the antenna, and swept thru the HF spectrum to find a dip in the SWR, what I found was that I had a 1:1 match at slightly below the 80 meter band. Being resonant below the band told me that it was just a tad bit too long, so I moved the bottom coil tap up a couple of turns, and it fell right on in the middle of the 80 meter CW portion of the band. Being only about 1/3 of a quarter wave on 80 meters, its definitely not a band buster, but it will fit almost any where ! The only bad thing about it is that you need to have a good ground system for it to work right. (a mobile home makes a good counterpoise ground) Wire radials seem to work best here, and the more that you add the better. They really need to be at least 1/4 wave long, but in most cases this isn't practical, so puy out as many as can be had and as long as you can make them ! And, I might add, they don't have to run in a straight line either ! Now, with that band out of the way, I was looking at all that unused coil space. I grabbed a short piece of wire, installed an alligator clip to one end and fastened the other end to the bottom tap on the coil. Then I started trying different tap points up and down the coil to see where I could make it resonate at. I found that by changing the coil taps, I could resonate the antenna on 40, 30,20,17 and 15 meters as well. On these bands, I could cover the whole band with just one setting. Don't be afraid to experiment around with the coil and antenna dimensions, the ones that I used here are what I happened to have on hand so use what you have and see what you can come up with. You may even want to try a remote switching arrangement ! The possibilities are endless. I would like to try a roller inductor and motor combo as a remote tuner, so you see, just try what you have and see if it will work for you. You can even buy (heaven forbid) aluminum tubing at hardware stores, it comes in sizes that will fit one inside the other making it easy to make just about any length that you want. You can wind your own coils, using the ground wire from ordinary house wire and using PVC pipe as the form. I would start with a vertical portion that is about 18 - 20 feet in length, add a capacity hat made from some scrap solid wire about 12 inches long (this goes on top like spokes of a wheel). Figure out a way to mount it and isolate it from ground and connect your coil to the bottom. You can mount the thing at ground level or you can put it up on a pole like I did and be sure and put at least 4 radials that are cut 1/4 wave for the lowest band of operation under it. If you don't have the room for 1/4 wave radials, just make them as long as you can. It won't radiate as efficiently, but it will radiate ! A compromise antenna, is better than no antenna anytime ! You can do it ! Just use your imagination ! Antennas are no big mystery and you don't have to know all that fancy technology, just put it together, tune it up and try it out on the air - if it works, others will let you know ! If it doesn't, well, they will let you know that also. If it doesn't, just play around with it til it does. no big deal ! Good Luck & 73AR SK de: KC8AON

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Date: Tue, 07 Dec 1999 22:00:35 -0500
From: Brian <brian@iquest.net>
To: QRP-L <qrp-l@lehigh.edu>, rreneau@iquest.net
Subject: [57563] Supreme Happy WAS kinda Dancing!
Message-ID: <384DC9D3.1C0DB412@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to my good friend and fellow Underdog Fox Hunter Extrordinaire Roy (AB7CE), I just worked my last needed state for 40M WAS QRP!! 43 states on the Norcal 40A (World Famous 1.3 Screaming Watts of Power), 7 on the Ten Tec Scout at 3.8 Watts...all, and I mean every single one, on the world famous KF4KSM (now known as AF4PS or rat-boy) attic based dipole-o-matic. Ratboy told me he lives in one of them fancy places what don't allow no antennas on the roof....shoot, I bet he has to keep all his appliances in the house too. I hear tell he drives a Volvo with 4 ham sticks on it...makes me wonder if he ain't a yuppie.

49 are CW, Wyoming is a 4 watt SSB contact. Anyone in WY wanna sked so's I can claim an all CW WAS?

HAPPY HAPPY HAPPY DANCE!

72 and XX00XX to everyone that helped me along the way!

Hey...if you're into awards...the 3905 Century Club Award Net meets every MWF at 02:00 on 7054 for fun and QSO's. Drop in sometime, they're a great bunch of ops and they like QRPers.

--

=====
KB9BVN -NORCAL #2792 FISTS #5695 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Proud to be a member of the American Radio Relay League
Foxhunting Team UNDERDOG - Underdog #4
FISTS Century Club #764 - FISTS QRP Century Club #24
=====

Date: Tue, 7 Dec 1999 22:08:02 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [57564] Grounding shack equipment
Message-ID: <199912072210_MC2-9026-D0FD@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Gang:

What about grounding gear in the shack? Should it *all* be grounded?
Seems to me it should... But whereas my older gear such as the Kenwood
TS-830 and older tuners have ground connectors, most newer gear doesn't.

Therefore--what is the best procedure? Is the newer stuff so well designed
that it simply doesn't need/want grounding? And if it should be, where
should the ground leads be connected?

Thanks in advance for any assistance.

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Tue, 7 Dec 1999 20:10:52 -0700
From: "Floyd Smithberg" <flydnq7x@primenet.com>
To: "QRP-L message" <qrp-l@Lehigh.edu>
Subject: [57565] FS: QRP Xcvrs
Message-ID: <000501bf4129\$ecf66ae0\$98ae30d0@primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have two xcvrs in excellent condition that I must part with to make room
for and

subsidize you'd never guess what.

- 1) OHR Classic...20/40 Meters..with DD-1 Digital Dial...\$150
- 2) NC-20 20M w/10T tuning pot and all current updates(reg, AVC, etc) \$125

Please reply direct with offers or questions.
Floyd NQ7X Phoenix ScQRPion DM33uq

Date: Tue, 7 Dec 1999 22:29:29 EST
From: Macstein@aol.com
To: brian@iquest.net, qrp-1@lehigh.edu
Subject: [57566] Re: Supreme Happy WAS kinda Dancing!
Message-ID: <0.621e20db.257f2a99@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 12/07/99 10:02:50 PM EST, brian@iquest.net writes:

> all, and I mean every single
> one, on the world famous KF4KSM (now known as AF4PS or rat-boy) attic
> based dipole-o-matic. Ratboy told me he lives in one of them fancy
> places what don't allow no antennas on the roof....shoot, I bet he has
> to keep all his appliances in the house too. I hear tell he drives a
> Volvo with 4 ham sticks on it...makes me wonder if he ain't a yuppie.

Congratulations to my ABSOLUTELY-NO-CLASS-LYING-UNDERDAWG friend Brian, KB9BVN, who takes his teeth-with-fake-gold-fillings out and uses them as a key on Straight Key Night, and put them back in to work Roy in MT. SSB to finish his WAS. Brian and I built our NorCal40As together and continue to encourage/badger (not the Nils kind) each other along. Now we are racing for multi-band WAS and harass each other each Fox outing. IN SPITE of all appearances, he has the manifold wisdom to use a superb antenna design (NOT, but hey, it WORKS!) and befriend kind, patient, understanding, tolerant, handsome, un-yuppie hams in distant friendships. Sincere congratulations and shared happy dance to a super op and tremendous friend. Way to go bro.

-MAC-
AF4PS - a proud Florida Swamp Rat

Date: Tue, 7 Dec 1999 22:26:01 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [57567] HELP--FT-840 AGC
Message-ID: <199912072228_MC2-902A-B953@compuserve.com>
MIME-Version: 1.0

Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Gang:

Anyone know a procedure for turning off the AGC in the Yaesu FT-840 rig?
It is probably right under my nose, but have been unable to discover it.
Sure hope there is some method. Thanks in advance for your assistance:).

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
K0EVZ@arrl.net

Date: Tue, 7 Dec 1999 19:37:01 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [57568] Re: Supreme Happy WAS kinda Dancing!
Message-ID: <01bf412d\$7cad540\$b0d5fc9e@ham.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Congratulations on finishing your two-way QRP WAS, Brian.
I know how tough that is, as I'm still looking for my last four states,
all up in the New England Black Hole. That's a tough pull from the
San Francisco Bay area.
Best wishes and 73,
Bob N6WG

Date: Tue, 07 Dec 1999 22:42:23 EST
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [57569] HB: CW mods for HTX-10
Message-ID: <19991207.214058.12319.2.N5IB@juno.com>

Actually sent CW with the HTX-10 tonight. Not a real QSO, just some test
transmissions so a couple of locals could listen to the quality of the

signal. The reports were very favorable. Clean and crisp, no sign of squirrelies, audio harmonics, or carrier. This with everything 'gator-clipped together laying out open on the bench.

The manhattan-style twin-T oscillator is now followed by an emitter follower buffer stage. The output is taken from a voltage divider in the emitter - about 20 mV rms into the mic line. Output pretty smoothly varies from less than a watt to full output (around 25) with the mic gain control (5 W at about 12 o'clock on the knob)

No keying circuit yet, just keyed the V+ of the oscillator, waveshaping yet to come, along with T/R switching. I'll get a schematic up on my web page as soon as the smoke clears from final exams here at LSU.

BTW - worked WA7USA (on ssb) today with the HTX-10. That's the USS Arizona commemorative station (located in AZ) that operates each Pearl Harbor Day. Interesting coincidence: I'm part of the group that operates from the USS Kidd museum ship, a DD named after Admiral Kidd, whose flagship was USS Arizona. He did not survive December 7, 1941, but his namesake still flies the flag and sends rf into the aether.

73

Jim N5IB

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Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 7 Dec 1999 19:50:01 -0800 (PST)
From: hgruen@pacifier.com (Huston Gruen)
To: qrp-1@lehigh.edu
Subject: [57570] Kantronics Qrp
Message-ID: <199912080350.TAA24074@eclipse.pacifier.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Does anyone have a manual for a Kantronics KT series QRP rig? I thought I had one, but after 2 months and no manual or response to E-mail I guess not! I'm willing to pay for any costs. Thanks.

Huston K7ITA

Date: Tue, 7 Dec 1999 20:41:21 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Morse.Express@edison.chisp.net, qrp-1@lehigh.edu, CQCList@cqc.org,
brasspounders@e-groups.com
Subject: [57571] New Products, New Prices, and New News from Morse Express
Message-ID: <199912080339.UAA01510@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Just in time for Christmas, we have some new keys and other goodies! Whether you are shopping for a stocking stuffer or the "big present," Morse Express is bound to have something that's just right for any brass pounder.

We also have reduced some prices, and then there's some general news....

But first, what's new!

We have received our first shipment of CT keys from Anton Koval in the Ukraine. Things in Eastern Europe are not good, and Anton says there is 80% unemployment in his part of the Ukraine. Whole factories lie idle and skilled machinists are desperate for work. The good news is that Anton has been able to design and build some very nice keys at quite reasonable prices. The CT Keys (named from Anton's callsign, UT7CT) are beautiful brasswork, finished to a mirror gloss. The miniature CT-1 is a tiny 2-5/8 x 1-1/4", height 1-1/2", but it is all brass and weighs in at a surprising 7 Oz. The CT-2 and CT-3 are larger "standard" size keys, on nicely finished hardwood bases. The CT-3 is on a round base, which is something we haven't seen before. Each of the three CT Keys is a different design, engineered for comfortable operation, and they are also serial numbered works of art. They're quite reasonably priced at \$79.95, \$89.95, and \$99.95 respectively. See them at <http://www.MorseX.com/ct> .

For the builders among you , we have a dual-wattage soldering pencil, 15/30W, for a mere \$10.95, also Kester's 245 "no clean" and electronic silver solder in convenient small packs-- <http://www.MorseX.com/tools> . If you're building one of our Oak Hills Research kits (<http://www.ohr.com>) or one of our many electronic keyers, or creating Frankenstein's Monster in your basement, we've got the tools to get the job done.

Also new is the aluminum base plate for Speed-X keys, made by Wm Nye Co. It's pre-drilled and tapped for the Speed-X 310 and 320 series keys, painted to match the classic Speed-X crinkle finish key base and complete with screws at \$12.50. Order one with your Speed-X key (see below), mention this notice, and you pay only \$10. And for that touch of luxury, we also have the hand-finished Pennsylvania cherry bases, plain or drilled to match the Speed-X keys. See the bases and the Nye keys at <http://www.MorseX.com/nye> .

A Christmas Present

In honor of our continuing growth, and as a thank-you to all of you for making Morse Express the number one seller of telegraphy equipment in the USA, we have a little Christmas present for you: place your order for one or more of the following keys before midnight Christmas Eve and take 10% off the price:

Speed-X model 312-001 or 320-001 <http://www.MorseX.com/nye>

ElectroInstrument Key-8 Keyer Paddle <http://www.MorseX.com/key8.htm>

Chinese PLA-1 and PLA-2 keys <http://www.MorseX.com/pla>

Be sure to mention this notice so we can apply the discount!

Price Reduction

We've reduced the price of the Quadriom TA-1 Chinese dual paddle by \$20 to only \$59.95. We think this paddle is underrated and deserves a wider market. As one recent purchaser said, "The Chinese Paddle is really a lot of key for the money. It's especially great for someone who really likes to "pound" the paddles- the base doesn't move."

Price Increases Looming

The Japanese Yen is hovering around 102 to the dollar. Six months ago it was 135 to the dollar. That means our costs on Hi-Mound and GHD keys have increased 25%. So far we have been selling keys we bought at more favorable rates, and absorbing the difference, but unless there is a dramatic change in the exchange rates our prices will have to go up in January. So if you've been hankering for one of GHD's chromium masterpieces, or the Hi-Mound "Swedish" presentation key, you might want to think about making it a Christmas present.

Stocking levels are good-- we have nearly everything in stock and ready for immediate shipment. Express service from FedEx and UPS is available if you're worried about something getting there in time to go under the tree.

As always, you can order on our secure server at <http://www.MorseX.com>, or use our toll-free credit card order line (800) 238-8205, or mail to Morse Express, 2460 S. Moline Way, Aurora CO 80014. For more information about the items mentioned here or any of our other products, visit our web site or call (303) 752-3382.

>From all of us at Morse Express, our Best Wishes for a Merry Christmas and a Radio Active Y2K...

Date: Tue, 7 Dec 1999 22:12:08 -0600
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-1@lehigh.edu>
Subject: [57572] FS: HW-9, HFT-9 tuner, HD-1410 keyer, PSA-9 PS.
Message-ID: <199912080412.WAA03321@dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello all,

I bought this HW-9 setup... was hoping to use it as a backup rig... but had a setback. So I will offer it to QRP-1.

This would be a great beginners setup. It's the HW-9 rig that has the WARC Bands, HFT-9 tuner, HD-1410 paddle/keyer, and PSA-9 power supply. This is not in new condition or collector quality. Some of the cases have scratches and the front panels look good. Somebody has marked the knobs so the settings are more visible from the front. I would prefer they hadn't. Also will throw in the HW Handbook.

Priced accordingly at \$350.00 for the entire package... shipped. please let me know if you have any questions.

Thank you,

Kelly Ellison - WB0WQS - QRP-L #702

Date: Tue, 7 Dec 1999 23:36:16 -0500
From: "Ken Evans" <w4du@bellsouth.net>
To: "QGRP list" <qgrp@onelist.com>, "QRP-1 Discussion" <qrp-1@Lehigh.EDU>
Subject: [57573] CONTEST:FDIM Building
Message-ID: <015201bf4135\$c4c9e0e0\$bbdafa9@evans>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ok, the 1 volt challenge is underway. Now let's try something from the recent. Warm up the irons and dig into the junk box!

QRP ARCI Announces the 48 V CHALLENGE

Based on several questions/suggestions on the QRP-L list and input from our

members, the QRP ARCI club is happy to announce the 48V Challenge. C.F. Rockey, W9SCH, recently pointed out that there are many "old timers" and newcomers alike that would enjoy building a tube rig. He wrote: "Despite the technical tastes of our strictly state of the art people, there are still quite a few of us into QRP who build our gear in the good, old fashioned style."

Accordingly, this Build-It contest for FDIM2000, entails building a tube receiver, transmitter, or transceiver that will operate on 48v or less. It's really that simple.

You may enter tube rigs you built over the past years as well as new rigs. The judges will consider the following factors (plus many of their own) in the contest:

The complexity of the unit - a transceiver would get higher points than a simple receiver.

The voltage at which this rig operates - the lower the voltage the higher the points.

When the unit was built - generally the newer the construction, the higher the points. It may however be a recently built old time rig.

The quality of the construction - neatness counts!

Multimode vs. single mode and mult band vs. single band. Obvious!

Entries may be original design or taken from articles. If you have original ideas/design, etc, please send a schematic/notes to W4DU by April 15. Photos are welcome. Then bring your rig to Dayton!

Date: Wed, 08 Dec 1999 04:58:36 -0500
From: "Rich Dailey, KA8OKH" <okh.npi@gte.net>
To: qrp-l@lehigh.edu
Subject: [57574] fs: Electronic Engineers' Handbook
Message-ID: <3.0.16.19991208045747.112730ee@mail.gte.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

2nd edition, by Fink and Christiansen, 1982. McGraw-Hill.
Huge... 2253 pages, 2189 illustrations. Formulas, materials, components, circuits and functions. Also covers propagation and antennas, and a *lot* more. Nice section on electrostatics, electrokinetics. Quite an informative text, just too much for me to digest. A few creases and a small 1/2" tear in the dust jacket, but no dog-ears in

pages and is otherwise nice condx. Pretty
pricey book in it's day. \$29 postpaid in CONUS.

Hope this is not stepping outside the basis and purpose of
qrp-l, but thought it might be of interest to someone.

Thanks and Happy Holidays,
Rich and Phyllis

Rich Dailey, KA80KH <okh.npi@gte.net>
The KB4NPI/KA80KH Web <<http://home1.gte.net/web22jfw/index.htm>>
Happy Holidays!

Date: Wed, 08 Dec 1999 04:58:38 -0500
From: "Rich Dailey, KA80KH" <okh.npi@gte.net>
To: qrp-l@lehigh.edu
Subject: [57575] Recommended reading
Message-ID: <3.0.16.19991208045640.21ff4566@mail.gte.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I would highly recommend to the group a couple of
books by Isaac Asimov that have been around for quite
some time.

"Understanding Physics" is a 3 part book that deals
with the entire spectrum of physics, from gravity to
motion, sound, heat, you name it. In particular, there
is a lot of good information on light, magnetism, and electricity.
Direct and alternating current is addressed also. Asimov
put it in terms that make it a very easy read, probably the
cleanest description of atomic theory and quanta that I have
ever read. It was first published in 1966, but was re-released
by Dorset Press in 1988. Amazon.com shows it currently
unavailable, but I've seen it on ebay several times. Est. 800 pages.

"Atom" is a 300 page book that covers the sub-atomic world.
I thought it was a very enjoyable read - I never thought I'd
read a book on electrons, protons, neutrons, quanta, electro-
dynamics, breakdowns, anti-matter and such, and not be able to
put it down. Penguin books.

I'm sure several of you have known about these books for
a while. Having just recently "discovered" them myself,

however, I thought I'd pass on my enthusiasm. They really did shine a light on topics that I thought I could not comprehend. It's never too late to learn about things.

zut es Happy Holidays,
Rich

P.S. - Also pick up anything by, or about Richard Feynman, such as "Three Easy Pieces", "Three Not-so-easy Pieces", "Genius", or "Surely Your Joking, Mr. Feynman".

Rich Dailey, KA80KH <okh.npi@gte.net>
The KB4NPI/KA80KH Web <<http://home1.gte.net/web22jfw/index.htm>>
Happy Holidays!

Date: Tue, 07 Dec 1999 22:53:23 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: jamesd1@flash.net
Subject: [57576] Re: Receivers: CW Filters
Message-ID: <384DF252.43276F7E@gci-net.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Kleibe:

This past spring I was asked by Chuck Hutchinson (K8CH) of the ARRL staff to review and correct the Active Filter section for the 2000, ARRL handbook. The equations were incorrect in a number of cases, the notch filter circuit had problems, and the text was out of date.

Although I wasn't allotted any more space for the material, I corrected the equations and examples, fixed the notch circuit, updated the text, and last but not least - included an design example of a "QRP transceiver" audio section, incorporating a 2-stage CW active filter! I designed it for a 750 Hz center frequency and a -3 dB bandwidth of 250 Hz. The filter uses commonly available components.

Since I have yet to see the 2000 ARRL Handbook, I have not seen how it turned out. If you come across a 2000 handbook there is just enough information to design simple Butterworth response (maximally flat) active filters. These designs are adequate for most simple, low-cost applications.

Jim, KK6MC/5, has provided you with some good references and some very useful information to help you get started designing active filters. If you want to design more sophisticated filters and have access to a technical library, two books that I often rely upon are "Electronic Filter Design Handbook," by Arthur Williams, and "Function Circuits - Design and Applications," by Y.J. Wong and W.E. Ott. I believe the Williams book is now a 2nd edition, while the Wong/Ott book may now be out of print. Both of these books take a reasonably tough subject, break it down to a level most of us can handle, and give you enough information to design complex active filters with most any desired response.

By the way; I stay with the analog designs for my radio/audio applications. Even though switched-capacitor designs offer phenomenal response roll-off in an ultra tiny package, they also produce switch-related noise, aliasing, and imaging artifacts that can show up within the pass band. I am certain these characteristics are minimized with the new IC's, but I would just rather not deal with them - a personal preference only.

Best Regards, Thomas - AC7A (Tucson)

"James R. Duffey" wrote:

> Normally I would refer one to the ARRL Handbook for these general
> information kinds of questions, but the Handbook is uncharacteristically
> lacking in this subject. I understand a member of this list is going to
> correct that soon.
>
> The best written reference on the subject I know of is "The Art of
> Electronics" by Horowitz and Hill. It has half a chapter on active audio
> filters. It is all good reading and information. Horowitz and Hill should be
> available at most large libraries. If yours does not have a copy I am sure
> that it can be obtained through interlibrary loan. I frequently see copies
> for sale in the bookstores here. It is a common college text so I would
> suspect that it is available in Brazil as well.
>
> I would recommend that a switched capacitor filter be used as a CW filter.
> Maxim makes several that are 8 pole low-pass filter in an 8 pin DIP. These
> are rather pricey as far as integrated circuits go at \$6 or so a pop, but
> are readily available from Digi-Key. The total cost for an 8 pole filter is
> not much more than if it had been made from op amps. You can find N7VE, Dan
> Tayloe's excellent implementation of switched capacitor CW filters at:
>
> <http://www.extremezone.com/~ki7mn/>
>
> Look for the links to SCAF and MINISCAF. These filters are excellent
> performers. They are designed to be used at the output of a regular receiver
> as the signal to noise ratio is best with input signals near 0.5 volts or
> so. If you use these in a receiver, some amplification, with filtering,
> should be used between these filters and the product detector. Linear

> Technologies and National also make similar chips. You may wish to point
> your browser to their Web Pages.
>
> If you want to make an active filter out of conventional opamps, SM0VPO has
> several circuits on G3YCC's page:
>
> http://www.g3ycc.karoo.net/sm0vpo_1.htm
>
> If you use a circuit for discrete op amps I would substitute modern opamps
> for the 741s. The newer opamps have lower noise and lower distortion. Also
> use 1% resistors and as high precision capacitors as you can find. If the
> resistor and capacitor values stray much from the design values then there
> will be ripple in the passband and the cut off may not be sharp.
>
> I hope that this helps. - Dr. Megacycle KK6MC/5
>
>
> James R. Duffey KK6MC/5
> 30 Casa Loma Road
> Cedar Crest, NM 87008

Date: Tue, 7 Dec 1999 23:24:15 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Thomas Kuehl <ac7a@gci-net.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57577] Re: Receivers: CW Filters
Message-ID: <Pine.SUN.4.10.9912072310350.24251-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 7 Dec 1999, Thomas Kuehl wrote:

> This past spring I was asked by Chuck Hutchinson (K8CH) of the ARRL staff to
> review and correct the Active Filter section for the 2000, ARRL handbook. The
> equations were incorrect in a number of cases, the notch filter circuit had
> problems, and the text was out of date.

HOORAY! Great job Thomas on taking this on. Active filters *really* are not that hard to design from scratch, particularly if you base it on a gain of 1 or 2 circuit with either the R's or C's (or both) equal. Those cryptic design equations in the Handbook (and wrong at that) scared away many hams from attempting to build one. A good CW filter, consisting of an 8-pin IC and a few discrete components, can make such an improvement in any rig, a good presentation of active filters will make a great addition to the handbook.

(Having said this, note this is NOT an ARRL slam. Keeping such a huge reference book up to date and accurate must be a formidable job. For the money, I have yet seen anything that can beat the ARRL Handbook!)

> incorporating a 2-stage CW active filter! I designed it for a 750 Hz center
> frequency and a -3 dB bandwidth of 250 Hz. The filter uses commonly available
> components.

Another hoorah. I have found 250-Hz to be "just right" ... for my ears anyway. I wanted to get the 2000 Handbook at our recent hamfest, but they sold out by the time I got to the tables :-(I look forward to seeing your contributions, and urge everyone to get a copy for this updated section. Again, good work Thomas.

72, Paul NA5N

Date: Wed, 08 Dec 1999 01:39:40 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [57578] Re: Grounding shack equipment
Message-ID: <3.0.32.19991208013936.00714df4@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:08 PM 12/7/99 -0500, you wrote:

>Gang:

>

>What about grounding gear in the shack? Should it *all* be grounded?

>Seems to me it should... But whereas my older gear such as the Kenwood

>TS-830 and older tuners have ground connectors, most newer gear doesn't.

>

>Therefore--what is the best procedure? Is the newer stuff so well designed

>that it simply doesn't need/want grounding? And if it should be, where

>should the ground leads be connected?

>

>Thanks in advance for any assistance.

>

>72,

>--Doc Lindsey/K0EVZ

> DSBF

> PO BOX 6028

> Bismarck, ND 58506

> K0EVZ@arrl.net

Doc,

The general opinion on grounding is to maintain a separate power line ground and your antenna ground and not tie them together.

I run my rig from a battery as many QRP ops do so the power ground is not an issue and I am assured of clean DC power to the rig.

Another factor in the equation is noise radiated from the usual heaters etc around the area that can wind up being broadcasted from your water pipes. An interesting article on that subject was in QST..Feb.1985 P42 (Technical Correspondence). So just make sure all the 120 volt stuff is safe and conforms to your local codes. Then maintain a separate ground for that new vertical.

I hope this doesn't bring up the lightning rod discussion again. :-)

73 Pete NV4V

Date: Wed, 08 Dec 1999 04:01:54 -0500
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: qrp-l@Lehigh.edu
Subject: [57579] Italian Call lookup
Message-ID: <384E1E80.6C3003E2@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One of my co-workers asked me to find an adr for IZ3A0Z. I dont have a foreign callbook and the Italian call server is "momentare sosopre" (which I think means momentarily suspended). Can somebody help me with and adr? Pse reply offline.

Tnx

Henry

Date: Wed, 08 Dec 1999 06:15:29 EST
From: w4pj@w4bkx.ampr.org
To: qrp-l@lehigh.edu
Subject: [57580] NEED: Schematic for HW-8
Message-ID: <72087@w4bkx.ampr.org>

Anyone willing to copy the schematic for HW-8, or better yet include the alignment sections of the manual? How-bout an old dog-eared manual, complete? FleaMarket special HW-8 needs tweaking and have a copy of THE HW-8 HANDBOOK full of Mods.... no Heathkit Manual &c.
Gladly remunerate any costs incurred.
de (Scott) W4PJ Ft. Lauderdale, FL <EL96vd> QRPL #1585

Date: Wed, 8 Dec 1999 07:11:44 EST
From: K4NK@aol.com
To: qrp-1@lehigh.edu
Subject: [57581] address needed
Message-ID: <0.52611a0e.257fa500@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello Gang;
Could someone tell me if S & S Engineering has a web site or E-mail address.

thanks Les K4NK

Date: Wed, 08 Dec 1999 21:59:15 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57582] Re: Receivers: CW Filters
Message-ID: <384E3A03.8CE79858@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thomas Kuehl wrote:

> two books that I often rely upon are "Electronic Filter Design Handbook," by
> Arthur
> Williams, and "Function Circuits - Design and Applications," by Y.J. Wong and
> W.E. Ott. I believe the Williams book is now a 2nd edition

I don't have Williams 2nd edition but for those not unreasonably mathematically challenged I would thoroughly recommend it. Of course if you want to go 1st class check out Zverev (costs an arm and a leg) but way to go if you're dead serious

> Both of these books take a reasonably tough subject, break it down to a level

most

> of us can handle, and give you enough information to design complex active filters

> with most any desired response.

Williams certainly does

> By the way; I stay with the analog designs for my radio/audio applications. Even
> though switched-capacitor designs offer phenomenal response roll-off in an ultra
> tiny package, they also produce switch-related noise, aliasing, and imaging
> artifacts that can show up within the pass band. I am certain these
> characteristics are minimized with the new IC's, but I would just rather not
> deal with them - a personal preference only.

Mine also, maybe we're simply fuddy-duddy

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S 151o:34':00" E

VK2TIP "I'll give you the TIP mate" QRP-L member #1978.

URL - <http://www.integritynet.com.au/~purdic/> URL - <http://www.qsl.net/vk2tip/>

Date: Wed, 08 Dec 1999 12:34:09 +0000
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [57583] KF4AR
Message-ID: <384E5041.6A876124@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone have an e-mail address for KF4AR
that works?

72,
Tom, N1TP

Date: Wed, 8 Dec 1999 03:12:21 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "QRP List 2" <qrp-l@Lehigh.EDU>

Subject: [57584] Winding Toroids
Message-ID: <000001bf415c\$558a8000\$04987b7b@dooleydw>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It seems harder than perhaps it is.. HELP!

How tight do you try to make the windings? When I see commercial units with toroids the wire turns lay down so nicely and "flat" against the surface. When I try to pull the wires tight, I can not get them that flat. If I try, I fear that I am scraping the insulation from the wire as it passes over the edges of the form. Is that a problem? It looks like nearly imposible to have the wire pass over the "square" edges without some digging into the insulation. Does this cause shorting of the turns against the core material? It looks like it might be a problem. Also, when moving the turns a bit to align them around the circle, that looks like it can cause abrasion.

I want to get this DSW-40 wired correctly and without problems.

Dan W. Dooley - WB5TKA Y2K Complacent
e-mail to: dandooley@pipeline.com
Si Hoc Legere Scis Nimium Eruditionis Habes

Date: Wed, 8 Dec 1999 06:46:29 -0600 (CST)
From: tatkins <tatkins@unix1.sncc.lsu.edu>
To: qrp-l@lehigh.edu
Subject: [57585] FS: QRP Rigs and Stuff, updated
Message-ID: <Pine.A32.3.95.991208064110.75736A-100000@unix1.sncc.lsu.edu>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I want to thank everyone for the many kind words of support and concern. I was overwhelmed with the amount of caring and kindness from QRP-L listmembers regarding my situation. Those who have been divorced know the deal. Anyway, here is an updated list of stuff still available. (yes, the K2 is sold--if the purchaser wants to identify himself he can, but I wont). Also, I am lowering a few prices from the original post so check it out:

QRP Items for Sale: (All items include manuals/documentation)
All prices listed include priority mail shipping.

First person to email me about an item gets dibs on it.
I will update the list daily until all items are sold.

2. Norcal NC20 + 10 turn pot + suggested mods. This is my baby and I hate to get rid of it. Many QSOs made with this box. Not a perfect "10" in looks, but packs a wallop. Price: \$125.00

3. Norcal 40a with keyer option, completely built, with 10-turn pot. Needs alignment and tinkering because I never fully aligned it after installing the 10 turn pot. Price: \$120.00

5. Custom built/modified Tuner/SWR/Watt Meter. I gutted a Heathkit HM-9 (forgive me) and constructed a ZM-2 tuner, and threw it all together in a NC20 blank aluminum case. Very interesting results. It works fb. Also have the original HM-9 case, in the event someone wanted to restore it.
Price for all: \$115.00

6. Rainbow Tuner + Custom case (you know that cool case) + kit to expand the range of the tuner to other bands. The tuner is completely built and works but is not fully installed in the custom case yet although it has most of the switches and stuff installed in the case. The band expander kit is not installed. Price for all: \$50.00

7. Howes Digital Frequency Display. Never tested, I bought it on QRP-L! Price: \$25.00

10. Power Supply: SEC Model 1223. Price: \$40.00

If any prices are way out of range, let me know or make a reasonable offer and we'll see what we can do.

Thanks,

Todd Atkins, K4MSW
Baton Rouge, Louisiana
tatkins@lsu.edu

Date: Wed, 8 Dec 1999 07:59:03 -0500
From: Derek Brown <DBrown@RFMD.com>
To: "'n3at@no1n.com'" <n3at@no1n.com>

Cc: "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [57586] KnightSMiTe Documentation
Message-ID: <7FB99EBE9DAD211956F006094253FD9D65D77@MAIL>
MIME-Version: 1.0
Content-Type: text/plain

All of the info on the KnightSMiTe can be found at:
<http://www.waterw.com/~knights/smitedoc.html>
Or you can start from the homepage at: <http://www.waterw.com/~knights/>

72 de Derek, WF4I
Greensboro, NC

Date: Wed, 08 Dec 1999 08:43:34 -0500
From: Mike Czuhajewski <wa8mcq@erols.com>
To: QRP forum <qrp-l@lehigh.edu>
Cc: Mike Czuhajewski <wa8mcq@erols.com>
Subject: [57587] HW-8 parts info needed
Message-ID: <384E6086.1F5@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I got a letter from someone working on an HW-8 and among other things he wanted some parts info. What's a good, readily available (DigiKey, etc) substitute for Q1, an MPF-105 FET? He also wondered about Q5, an MPSA20, and 1N458 diode. The HW-8 uses the latter two parts in quite a few places. I've got some suggestions of my own to tell him, but would prefer to tell him what people have actually used with good success.

--

73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Wed, 08 Dec 1999 07:39:52 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: buydens@duke.usask.ca
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57588] Re: Ham Radio for Kids
Message-ID: <384E6DB8.3DD0D461@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Brian.Buydens@usask.ca" wrote:

> This is not strictly QRP

Anything having to do with radio education has a place on this list.

> I have been thinking about the Elmeradio project and Ham Radio in general.
> I have a daughter who is 10 and who LOVES to go to the science center in
> Regina. I think one of the
> main attractions for her is the ACTIVITIES they have for people her age,

The best way to learn is by doing--especially for kids, and 10 seems to be the prime age for introducing them to any kind of technical subject. They are still teachable and very eager to learn, and they are beginning to have the dexterity necessary for building stuff.

> This made me wonder how we as a ham community could set up something
> similar. I am not saying we would have a ham center (although I would
> love to have one ;-) but rather if there were a series of activities that
> children with minimal equipment could do, that would teach them about
> radio, and related electronic concepts.

Excellent idea. I was, also, thinking about some kind of newsletter full of little projects, tutorials and information about where to get parts, etc.

> As an example, when I was a child I learned how microphones work by
> building my own with a sifted salt box, an aluminum pie plate and some
> graphite pencil leads. Or are there ways we could simulate different
> modulation techniques by using a sound card? My daughter was fascinated
> by talking into a microphone attached to my oscilloscope and seeing what
> her voice "looked" like. But more homes have a computer with a sound card
> than have an oscilloscope. I know there are similar programs for sound
> cards.

These are great examples, and there are at least a million more ideas out there.

> What I had in mind to start with is a series of short articles that could
> be submitted to a local ham newsletter. Or maybe we could put together a
> web site with articles and programs that is geared directly at
> kids. Perhaps we should do both.

I would like to participate in something like this. Getting the money to do it is another problem. The expenses of the ElmerRadio projects are killing me, and finding enough time is an even bigger problem. However, with enough volunteer help it could be done--and it would be fun and rewarding for all who helped.

> We could write short articles for a newsletter and use the articles to
> advertise the Web Site. I am willing to try my hand at doing some of this but

> I am not exactly what one would call a writer.

Brian is a humble guy. In fact, he is an excellent writer with an uncommon ability to explain things to youngsters in a very understandable way.

> BTW I think the Elmeradio is a great idea.

Thanks!

> I am throwing out these ideas in order to try and build on the work that
> Bruce and others have started.

>

> Brian.

This is a great proposal. The real difficulty will be finding fellow amateurs willing to help. My efforts to promote a simple homebrew contest in my local club have been exhausting. Few really want to help. Unfortunately, this is typical of many amateur organizations. Helping takes time. Lots of it, and most hams would have to sacrifice time spent talking on the radio in order to help kids learn about their hobby. Few are willing to do this. Please don't flame me for saying this. I, truly, wish someone would prove me wrong. There are many examples of hams who dedicate a great deal of time to educating others. You know who they are. Doug and Paul are just two examples. But I think the majority of those involved in this hobby are not very willing to help. Experience is not necessary. Making phone calls, rounding up kids, finding transportation, ordering parts, typing, etc., etc. do not require a Ph.D.. in physics--just a desire to help.

Brian has proposed a huge undertaking. I want to help. I think it is a most excellent idea. I hope that anyone willing to help will reply to this message. If we can get enough volunteers no one will need to sacrifice their personal life or all of their radio time in order to get the job done.

Bruce kk7zz

Date: Wed, 8 Dec 1999 09:52:49 -0500
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [57589] Re: Receivers: CW Filters
Message-ID: <001b01bf418b\$e652aa20\$4b736395@vince>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

One other book that I like is Active-Filter Cookbook by Don Lancaster, published by Sams. I have an old edition but saw a new one at the bookstore the other day.

Keilbe, look for a copy of HAMCALC on the net, one of its many applications is the design of audio filters using a 741 IC.

Good luck.

73 de Vince, VE3VFN.

Date: Wed, 08 Dec 1999 07:55:46 -0700
From: Steve Kubisch <WW7Y@sisna.com>
To: qrp-l@lehigh.edu
Subject: [57590] FS: Wilderness Sierra
Message-ID: <384E7172.A6AA28A7@sisna.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Since I built the K2, my Sierra has become very lonely. Better find it a good home where it will get lots of use.

Wilderness Sierra (unmodified)
80, 40, 30, 20, 17, 15 Meter Band Modules
10 Meter Band Module (unbuilt, but will build it if buyer desires)
KC2 Digital Display/Memory Keyer/S meter/wattmeter
Wilderness custom front panel for KC2
Buzznot Noise Blanker (installed)
All manuals.

Rig is in perfect shape and works great, 3+ to 1.5 Watts out depending on band.
Never been used outside of shack. Built by experienced Electronic Tech (me).

These items are slightly over \$500 from Wilderness, I will let it go for \$425 + shipping /insurance. Payment by Money Order.

Thanks & 73,

Steve Kubisch -WW7Y-
640 East 250 North
Centerville, Utah 84014

WW7Y@sisna.com

Date: Wed, 08 Dec 1999 10:07:52 -0800
From: paul taylor <ptay1@miro.bestweb.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [57591] tip 48
Message-ID: <3.0.32.19991208100750.00692be8@pop.bestweb.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Can the tip 48 be used as a cheap replacement for the 2n3866 or 2n3553???

Date: Wed, 08 Dec 1999 08:13:48 -0700
From: Dave Ek <ekdave@earthlink.net>
To: qrp-1@Lehigh.EDU
Subject: [57592] Re: CONTEST:FDIM Building
Message-ID: <3.0.6.32.19991208081348.0079e5b0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Here's a thought: I have an old (~1937) Coronado tube radio (AM) which I run from a 6V gelcel. According to a learned friend of mine, the radio was designed for farm use where there was no AC available (but very possibly a wind generator for charging batteries, as my father recalls from his days on the farm in the 30's). At any rate, the radio uses a mechanical vibrator to create what amounts to a square-wave at 6V, then passes it through a transformer to step up this crude AC to 90V or so, then rectifies it in the usual fashion to supply the plate voltage for the tubes. The vibrator reminds me of the old telegraph buzzers I used to make out of strips of tin and nails and wires when I was a kid. Just a thought.

73,

Dave AB0GO

>QRP ARCI Announces the 48 V CHALLENGE
> ...
>The voltage at which this rig operates - the lower the voltage the higher
>the points.

Date: Wed, 8 Dec 1999 10:19:02 -0600
From: jmbrown@edge.net (JERRY BROWN)
To: <mgemm@mtechnologies.com>, "Low Power Amateur Radio Discussion" <qrpl@Lehigh.EDU>
Subject: [57593] new key- other uses?
Message-ID: <002301bf4197\$f1c8d080\$7169cfd8@brown>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just had breakfast a local breakfast "joint" with a couple of cw buddies and decided to show-off my new CT-1 (#006), a cute, precision handkey from Morse Express....

our waitress thought it was a cocaine scale. Sort of surprised her that it wasn't.

Not having experience with this aspect of the scales and measurements trade, I dunno!

Jerry N4EO

REF: We have received our first shipment of CT keys from Anton Koval in the Ukraine.
 (Morse Express)

Date: Wed, 8 Dec 1999 10:23:47 -0600
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
To: qrpl@Lehigh.EDU
Subject: [57594] Getting feedline into house
Message-ID: <001E8740.4159@ccgate.dl.nec.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Season's Greetings Gang,

Wayne's topic of using the Radio Shack speaker wire for a stealthy feedline made me think of a topic I will soon be facing.

Sometime in January I will be setting up the antennas in a new house. I would like to use a low profile/stealthy approach of running the feedlines into the shack. The feeds I will be using are the RS wire for a dipole, as well as some RG-8X for the vertical.

Here's the rub: the house has a security system, so my method of using a board in the window frame is out. I see that RS has a clear plastic tube that passes through a hole you drill in the wall. Then you pass the feeds from the inside to outside and seal the thing.

Anybody out there using methods similar to this? I am needing a low profile method to keep the wife and new neighbors happy. This will be going in the front of the house.

Thanks for your ideas. Merry/Happy to all!

73 de Dave, NR3E

QRP-L #25

nr Dallas, TX

Date: Wed, 8 Dec 1999 11:48:35 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <kreinbd@ccgate.dl.nec.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [57595] Re: Getting feedline into house

Message-ID: <02e201bf419c\$17e2b3e0\$9001a8c0@wn.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> Here's the rub: the house has a security system, so my
> method of using a board in the window frame is out. I see
> that RS has a clear plastic tube that passes through a hole
> you drill in the wall. Then you pass the feeds from the inside
> to outside and seal the thing.

>
> 73 de Dave, NR3E

You can still do this. Just use two window switches. In fact, I've seen this done where there are 'two' positions that the alarm thinks the window is closed. People sometimes set it up this way so that they can have a position to leave the window open just a bit for air flow and have the alarm activated.

How you do this depends on if the window is a closed loop or an open loop in the security system. It can also be complicated by window foils, but if they are picked up by a 'wiper', you just need a second wiper set for the position with the board in the window.

Just remember to deactivate to change from one state to another! It sounds obvious, but with the increasing use of security systems active while you are 'at home', people tend to forget.

Mike
N1DVJ

Date: Wed, 8 Dec 1999 12:07:36 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: ptay1@miro.bestweb.net
Cc: qrp-l@lehigh.edu
Subject: [57596] Re: tip 48
Message-ID: <199912081648.LAA01807@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> From: paul taylor <ptay1@miro.bestweb.net>
> Can the tip 48 be used as a cheap replacement for the 2n3866 or 2n3553???

Not if your using it for RF. The TIP48 only has a Ft of 10 Mhz and is generally used in audio or DC applications.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Wed, 08 Dec 1999 08:51:28 PST
From: "Leon Heller" <leon_heller@hotmail.com>
To: dandoooley@pipeline.com, qrp-1@Lehigh.EDU
Subject: [57597] Re: Winding Toroids
Message-ID: <19991208165128.928.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>It seems harder than perhaps it is.. HELP!
>
>How tight do you try to make the windings? When I see commercial units
>with
>toroids the wire turns lay down so nicely and "flat" against the surface.
>When I try to pull the wires tight, I can not get them that flat. If I
>try,
>I fear that I am scraping the insulation from the wire as it passes over
>the
>edges of the form. Is that a problem? It looks like nearly imposible to
>have the wire pass over the "square" edges without some digging into the
>insulation. Does this cause shorting of the turns against the core
>material? It looks like it might be a problem. Also, when moving the
>turns
>a bit to align them around the circle, that looks like it can cause
>abrasion.
>
>I want to get this DSW-40 wired correctly and without problems.
Habes
>

Really tight winding can reduce the Q. It's best to leave a bit of slack,
and then fix the turns if necessary with some suitable glue.

73, Leon

Leon Heller, G1HSM
Tel (work): +44 1327 357824
Tel (mobile): +44 79 9098 1221
Email:leon_heller@hotmail.com
Web page: <http://www.geocities.com/SiliconValley/Code/1835>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Wed, 8 Dec 1999 12:02:24 EST
From: PDouglas12@aol.com
To: QRP-L@lehigh.edu
Subject: [57598] QRP ARCI Membership Inquiries
Message-ID: <0.38f84b1f.257fe920@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Dave Johnson, our QRP ARCI membership chairman recently sent the message below to the board and officers. Since it speaks for itself, I suggested to Dave that he post it. He isn't subscribed to QRP-L, so here it is:
[note, inquiries still go to Dave at webmaster@wealthfunnel.com--obviously, he'll get back to you if you're patient! Remember, these folks are doing hard work, and they are volunteers. Don't bug the people who are doing the work! It's OK to say thanks, though:-) --- 72, Preston Douglas WJ2V, Member of the Board]

[from Dave:]

This is one of my periodic updates. I hope this gets out to the Board.

I am behind in some email correspondence.
There are some emails from a couple, or a few, weeks ago, that I have not yet responded to, from the members.

I am not happy about this. But the fact is, that I am struggling to enter data, with time every day, to get caught up for my deadline of the middle of this month for sending data to the printer.

Let me make it clear that I am talking about a few email requests to check on status. I know this is not good public relations to ignore communications. I have NOT LOST these communications and I will get to them, but it is NOT feasible for me to search through all the stacks of paper records to answer these requests. It is ONLY feasible to answer them after the data is in a searchable computer database. I just cannot take hours to shuffle through every paper record for these requests, now.

I'm sorry but I don't have time to answer these even with a 'please wait' message.

If I do that I may not make my deadline.

I am committed to getting all this data input, and sticking to the schedule. I will write an apology to the membership for the April 2000 QQ, to say I am sorry about some delays in communicating during this cycle.

I hope people understand that this job requires a LOT of time and work, and that it is not reasonable to expect service like that from companies. YES I do think we should strive to provide great service, and I will try to be better after this cycle, but people need to understand that volunteers do the work here, and that I strive to keep things straight for the STATED deadlines.

The data WILL get done, get to the printer, and I will strive to answer all correspondence, but I am just having a bit of a 'log jam' experience right now. I am sorry, but I will get through this.

I will try to get back to all, eventually, soon I hope.

My backlog is not REALLY all that bad, but several hundred records do take several hours of work, and I have to squeeze that in with work, family, and other demands on my time.

Again, it WILL get done, and I'm sorry about being more than a little late in replying to some requests for status reports.

I WILL BE EXTRA LENIENT in solving those problems that I am late in responding to, ok.

Just wanted to get this out so people will know what is happening.
Best to all,

Dave Johnson WA4NID
QRP ARCI Membership Chairman

Date: Wed, 8 Dec 1999 10:03:40 -0700

From: jaywa5whn@juno.com
To: qrp-1@lehigh.edu
Subject: [57599] QRP Y2K Contest
Message-ID: <19991208.100619.-985107.2.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Y2K QRP Contest, 1200-2400Z Jan 1. CW, SSB, PSK-31 and FM. All bands except for 30 17 12 meters. Operate 8 hours out of the 12. You may operate all 12 hours and pick your best 8 hours. Exchange RST, state/province/country and ac or dc (your power source). If you are running from commercial power you are ac; if you are using battery, solar or generators you are dc. Count 1 point per QSO if you are dc powered; 2 points per QSO if you are ac powered. Final score is QSO points total states/provinces/countries power multiplier. Power multiplier is 2 for 5 W or less and 1 for more than 5 W.

<http://www.arrl.org/contests/months/jan.html>

Send logs by Feb 1 to Jay Miller, WA5WHN, 4613 Jupiter St NW, Albuquerque, NM 87107-3944; wa5whn@hotmail.com.

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Date: Wed, 8 Dec 1999 12:29:11 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [57600] Re: Getting feedline into house
Message-ID: <199912081710.MAA04949@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Here's an idea I had recently for getting feed line under a closed window.

Get some mylar sheets (over head transparency film) and some copper tape. Lay down two parrallel conductors on one sheet and then place another sheet on top of it. Maybe use some double sided tape to hold them together. One could sandwich a couple pieces of plexiglass on both ends to give a support for attaching some connectors. (or some pcb board stock) Now you have a flat, flexible jumper that can go

under a window.

Should work FB with ladder line or speaker wire, probably woun't be too bad for connecting coax together, seeing it's only a few inches long. Hopefully it's a wooden window, and not a metal frame one.

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Wed, 8 Dec 1999 11:21:30 -0600
From: Karl Kanalz <KKanalz@excel.com>
To: "'kd1jv@moose.ncia.net'" <kd1jv@moose.ncia.net>, Low Power Amateur Radio Discussion <grp-l@Lehigh.EDU>
Subject: [57601] RE: Getting feedline into house
Message-ID: <2D343922E283D211945C0008C7A41B2A013101BE@ADNTEX01.adsn.dal.excel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Iff'n it's a metal-framed window, Steve, your method will still suffer as much of an "impedance bump" as if the user had simply routed his ladder line/twinlead directly under the window. If his window frame is wooden, however, he could drill a couple of small holes through the wood (just below or above the glass pane) and use some threaded stock to bring his ladder/twin line into the shack. I have a terrible feeling, however, that his home has modern metal-framed windows -- shucks!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Steven Weber [mailto:kd1jv@moose.ncia.net]
Sent: Wednesday, December 08, 1999 6:29 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Getting feedline into house

Here's an idea I had recently for getting feed line under a closed window.

Get some mylar sheets (over head transparency film) and some copper tape. Lay down two parrallel conductors on one sheet and then place another sheet on top of it. Maybe use some double sided tape to hold

them together. One could sandwich a couple pieces of plexiglass on both ends to give a support for attaching some connectors. (or some pcb board stock) Now you have a flat, flexible jumper that can go under a window.

Should work FB with ladder line or speaker wire, probably wouldn't be too bad for connecting coax together, seeing it's only a few inches long. Hopefully it's a wooden window, and not a metal frame one.

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Wed, 8 Dec 1999 09:23:17 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: David Kreinberg <kreinbd@ccgate.dl.nec.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57602] Re: Getting feedline into house
Message-ID: <Pine.GS0.4.10.9912080917050.23755-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dave,

I use (and have used this several places) a dryer vent connection to run my feedlines through and seal with lots of insulation.

However, that might not look very good in the front of your house and I doubt that it's good for running balanced line through either.

But.... I have know many others to run their wires under the house and come up through the floor. Nor recommended for those with slab floors! :-)

You might be able to hide the entry point with some bushes.

Security system eh?? Hmmmmm, I carry mine with me and seldom lock the doors! :-)

cul,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....

Date: Wed, 08 Dec 1999 19:31:28 +0200
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: kd1jv@moose.ncia.net
Cc: QRP-L <QRP-L@lehigh.edu>
Subject: [57603] Re: Getting feedline into house
Message-ID: <384E95F0.43B9@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Steven Weber wrote:

> Get some mylar sheets (over head transparency film) and some copper

Hi Steven,

Have you been to my shack while I was away? ;-) ;-) ;-) ;-)

I have had this kind of arrangement for a number of years. We have a wooden ventilation shutter (?) in a wooden frame in each room of this office building. I use some plastic sheet from a demolished switcher PS and route the open line itself between the pieces. The 'feed through' is fixed to the frame with one screw in the middle.

To add insult to injury I then route the line through one of the slots in a metal grille (?) on the outside of the aforementioned shutter. The slot is a few cm high and perhaps 20 cm wide. I've isolated the line in the slot with 2 pieces of grey plastic foam tubing as used for isolating hot water pipes (the tubing comes with a lengthwise slit).

My antenna is a 2*19,3 m sloping doublet with 20 m open line. I tune it with a balanced link tuner (Fa. Annecke) on all bands. The flat feed-through and the other irregularity are all tuned out, too. I haven't got a linear, so I don't know if I can heat up the grille or set fire to the wood by running high power, hi.

I haven't noticed any/the adverse effects, hi.

73,

--

Arjen Raateland
Finnish Environment Institute
SAS Support
phone +358 9 4030 0350

Date: Wed, 8 Dec 1999 13:01:17 -0500
From: "Ed Tanton" <n4xy@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
<ptay1@miro.bestweb.net>
Subject: [57604] RE: tip 48
Message-ID: <NBBBJDEEIFDDANGEGHLBGEMBIAAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You'd be better off trying to get the right transistor, or maybe trying one of the power MOSFETs.

72 / 73 Ed N4XY email: <n4xy@arrl.net>

webpage: <http://www.qsl.net/n4xy/>

Date: Wed, 08 Dec 1999 12:03:12 -0600
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: qrp-1@lehigh.edu
Subject: [57605] HB: miniPIG-10 ten meter CW transceiver
Message-ID: <4.1.19991208120100.009f6820@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Them FP folks sure aren't afraid of winding toroids :-)
Check out the pic of the prototype <http://www.mpna.com/fpqrp/pcb.jpg>

Ed, N5EM

At 01:50 PM 12/7/99 -0500, you wrote:
>Hi one and all,

>Our club will now get ready to field test 10 miniPIGs. Doing the PCB now.

>Schematics and specs are on line at this link:
><http://www.mpna.com/fpqrp/minipig.html>
>
>In the words of one of our club members...THIS THING ROCKS!
>
>73, oo's, Dieter (DIZ) Gentzow, WB8QYY, Loveland, Ohio
>

Date: Wed, 8 Dec 1999 11:13:55 -0700
From: zmola@campbellsci.com
To: qrp-1@lehigh.edu
Subject: [57606] Re: Supreme Happy WAS kinda Dancing!
Message-ID: <199912081804.SAA04931@demeter.campbellsci.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Bob Tellefsen" <n6wg@earthlink.net> wrote:

> Congratulations on finishing your two-way QRP WAS, Brian.
> I know how tough that is, as I'm still looking for my last four states,
> all up in the New England Black Hole. That's a tough pull from the
> San Francisco Bay area.

Do people consider it fair to WAS from multiple locations. I will be operating from Chicago this holiday season and expect to nab quite a few new states.

I guess it's how you personally feel but 'wisdom' from the net would be worth hearing.

Carl
AC7BB

Carl
zmola@campbellsci.com

Date: Wed, 08 Dec 1999 11:05:36 -0700
From: Jerry Haigwood <w5jh@swlink.net>
To: kreinbd@ccgate.dl.nec.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57607] Re: Getting feedline into house
Message-ID: <384E9DF0.46E73EBC@swlink.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David Kreinberg wrote:

> Season's Greetings Gang,
>
> Wayne's topic of using the Radio Shack speaker wire for
> a stealthy feedline made me think of a topic I will soon
> be facing.
>
> Sometime in January I will be setting up the antennas in
> a new house. I would like to use a low profile/stealthy
> approach of running the feedlines into the shack. The
> feeds I will be using are the RS wire for a dipole, as
> well as some RG-8X for the vertical.
>
> Here's the rub: the house has a security system, so my
> method of using a board in the window frame is out. I see
> that RS has a clear plastic tube that passes through a hole
> you drill in the wall. Then you pass the feeds from the inside
> to outside and seal the thing.
>
> Anybody out there using methods similar to this? I am needing
> a low profile method to keep the wife and new neighbors happy.
> This will be going in the front of the house.
>
> Thanks for your ideas. Merry/Happy to all!
>
> 73 de Dave, NR3E
> QRP-L #25
> nr Dallas, TX

Dave,

I use 2 1/2 inch PVC pipe. The length of the pipe is cut to the thickness of the wall plus 1 inch.. A hole saw the diameter of the PVC pipe is used inside and outside of the house to clearance holes for the pipe. The PVC pipe is inserted through the wall and through the holes made by the saw. Outside, a PVC 45 deg elbow is glued to the pipe for water drainage. Inside a PVC coupler is glued onto the pipe. The antenna wire is fed through the pipe. It has nice pprofessional look to it.

Hope this helps.

--

73, Jerry Haigwood, W5JH, Peoria, AZ USA
web page <http://www.swlink.net/~w5jh/>

Date: Wed, 8 Dec 1999 13:13:52 -0500
From: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
To: <n5em@flash.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57608] Re: miniPIG-10 ten meter CW tranceiver
Message-ID: <006101bf41a8\$2bf179a0\$6401020a@lsiindustries.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ed,

We just needed to add some weight! :~)

73, oo's, Dieter (DIZ) Gentzow, WB8QYY, Loveland, Ohio
FPqrp#1 QRP-L#1998 10-X#9389 CATT#26 K2#493
<http://w3.one.net/~gentzow/wb8qyy.htm>

----- Original Message -----

From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, December 08, 1999 1:03 PM
Subject: HB: miniPIG-10 ten meter CW tranceiver

> Them FP folks sure aren't afraid of winding toroids :-)
> Check out the pic of the prototype <http://www.mpna.com/fpqrp/pcb.jpg>
>
> Ed, N5EM
>
>
>
> At 01:50 PM 12/7/99 -0500, you wrote:
> >Hi one and all,
>
> >Our club will now get ready to field test 10 miniPIGs. Doing the PCB
now.
> >Schematics and specs are on line at this link:
> ><http://www.mpna.com/fpqrp/minipig.html>
> >
> >In the words of one of our club members...THIS THING ROCKS!
> >

> >73, oo's, Dieter (DIZ) Gentzow, WB8QYY, Loveland, Ohio
> >
>

Date: Wed, 8 Dec 1999 13:55:42 EST
From: Shephed@aol.com
To: qrp-1@lehigh.edu
Subject: [57609] Re: HB: miniPIG-10 ten meter CW tranceiver
Message-ID: <0.f5a5ce1.258003ae@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Not one bit!
Bring'em on!
You should hear this thing in operation, makes the HTX-10 sound like something
made by Cobra!

72, 73, oo'S
Dan, N8IE
FPqrp #-6

Date: Wed, 8 Dec 1999 14:21:32 EST
From: Dennisskea@aol.com
To: qrp-1@lehigh.edu
Subject: [57610] Scott w4pj, where are you?
Message-ID: <0.83ae8d13.258009bc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Sorry to send this to whole list, but my reply to Scott bounced as
undeliverable.

Scott, If you still need the schematic, and alignment info, etc, e-mail
me at kc2ccz@arrl.net with your mailing address.
72 Dennis kc2ccz

Date: Wed, 08 Dec 1999 10:04:55 -0800
From: "Arthur G. Silvers" <ags@ieee.org>

To: andymeng@juno.com
Cc: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [57611] Re: feeding dipoles with ladderline... also some tuner thoughts
Message-ID: <384E9DC7.AB56B6E6@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Probably the simplest approach for multiband use with 450 ohm balanced line and no stub is to cut the antenna longer than a half wave for the lowest intended frequency by about 13% to raise the feedpoint resistive impedance. Your tuner will then tune out the standing waves due to reactive impedance. Use the Smith chart to verify antenna length.

"Arthur G. Silvers" wrote:

>
> Hi Andy,
>
> My take depends on whether your antenna will be used for multiple bands
> or primarily for a single band. If multiband, then the antenna will be a
> compromise on all bands but will perform well as per the low loss of the
> ladder or window line.
>
> If on the other hand you plan on using the antenna on primarily one
> band, then there are measures you could take to minimize the standing
> waves on the line. One of the best methods for single frequency use
> would be a shunt transmission line tuning stub at some point on the
> transmission line when the antenna is cut for resonance. The position
> and length of both capacitive (open ended) or inductive (shorted) tuning
> stubs can be derived using the Smith chart. Use whichever stub is
> shorter. The object is to find the point along the loaded transmission
> line, as a distance from the antenna feedpoint, where the resistance is
> 450 ohms and tune out any reactance at that point with a stub.
>
> Alternatively, you could take a non resonant approach and either extend
> or shorten the length
> of the dipole such that the resistance at the feedpoint is 450 ohms and
> attach a stub at the feedpoint to eliminate any reactance. This problem
> is analogous to the resonant approach and the Smith chart can be used in
> the same way. The difference is that the distance from the feedpoint now
> becomes the necessary length that each side of the dipole must be
> extended or shortened. To shorten the antenna, you would use an
> inductive (shorted) stub. To lengthen the antenna by less than half wave
> you would use a capacitive (opened) stub. I like this second approach
> because it puts all of the standing waves on the antenna and not on the
> transmission line.
>
> I have modeled these problems using Microsmith for both 300 and 450 ohm

> line. Of course, a tuner and balun are required in either case and since
> you probably want to use the antenna on all bands it becomes a moot
> point. But thanks for giving me the opportunity to blow my horn.
>
> 72 and seasons greetings
> Arth W6AGS

Date: Wed, 08 Dec 1999 14:06:11 -0600
From: Glen Reid <k5fx@flash.net>
To: QRP-1 <qrp-1@lehigh.edu>
Subject: [57612] FS: Unbuilt NC20 Kit
Message-ID: <384EBA33.6359DFEB@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

It is becoming obvious that I will never get around to building my
NORCAL 20 kit.

The kit is unopened! Mint, Virgin, untouched by me. ;^)

Someone who will build it, may as well have it.

It can be yours for \$103.20 which includes Priority Mail shipping in the
US.

73,

gr

--
GLEN REID
K5FX/M BGF

Austin...in the beautiful hill country of TEXAS...

Austin QRP Club # Pi

Email: k5fx@arrl.net

Date: Wed, 08 Dec 1999 15:07:54 -0500

From: "C. Lamar Derk" <n3at@no1n.com>
To: DBrown@RFMD.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57613] Re: KnightSMiTe Documentation
Message-ID: <384EBA9A.880952@no1n.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thank you for the info, Derek!!!

72 de Lamar

Derek Brown wrote:

> All of the info on the KnightSMiTe can be found at:
> <http://www.waterw.com/~knights/smitedoc.html>
> Or you can start from the homepage at: <http://www.waterw.com/~knights/>
>
> 72 de Derek, WF4I
> Greensboro, NC

Date: Wed, 8 Dec 1999 15:12:03 -0500
From: dnt1@daimlerchrysler.com
To: qrp-1@Lehigh.EDU
Subject: [57614] N/T+ FOX: 2200 12/8/99 - 0000 12/9/99 UTC
Message-ID: <0F105FC8D1.C788D8A7-0N85256841.006E885F@notes.chrysler.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

KF4YWT Operating from 2200 - 2400/0000 starting at 7.113 MHz +/-
(7.135 MHz if QRM is bad)

Sorry he missed last night! If prior experience holds true, he may end up anywhere in the novice portion of 40M trying to avoid the SW stations; if you don't find him at the frequencies listed above just hunt around for the "CQ FOX de KF4YWT" and make a real foxhunt of it!

Trey will be sending my QRP-L number with /JR behind it) so expect the following:

(callsign) de KF4YWT (RST) AL Trey NR 1670/JR 4w (callsign) KN

He'll be straight key all the way again. I'm going to check in on him (will be downstairs in the shop listening while working on the motorcycle

again) & help with logging if needed, but he'll be the operator in charge so be prepared to QRS & send repeats. Please send in the following format to help him with knowing what to expect & when to expect it:

KF4YWT de (callsign) ur (RST) (ST/P) (Name) NR(#) (Pwr) BK

The antenna's not completely repaired yet; I hope to finish it this evening before he goes on the air. Expect a really weak signal & do the happy dance if it sounds as though the antenna got done in time!

Thanks to those of you who've sent QSLs, we're trying to design one for him now so that he can respond in kind. That's the problem with a child that likes to draw, he won't accept sending just any old card design! ;-) It looks like it'll be an anime' style fox card now!

72/73, Don T. AI4CW & Trey
KF4YWT

Toney, AL EM64pw QRP-L#1670

Date: Wed, 08 Dec 1999 14:18:42 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: qrp-l@lehigh.edu
Subject: [57615] Re: Ham Radio for Kids
Message-ID: <Pine.OSF.4.20.9912081412400.14558-100000@duke.usask.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

Bruce Kizerian wrote:

"Brian.Buydens@usask.ca" wrote:

> > This made me wonder how we as a ham community could set up something
> > similar. I am not saying we would have a ham center (although I would
> > love to have one ;-) but rather if there were a series of activities that
> > children with minimal equipment could do, that would teach them about
> > radio, and related electronic concepts.

> Excellent idea. I was, also, thinking about some kind of newsletter full of
> little projects, tutorials and information about where to get parts, etc.

Having thought about it some more I think the project should proceed as follows. I, and however wants to help should design a web site. This web site would have things for kids to read and activities for kids to try. I hope that after they

read everything and tried everything they would have enough information to pass the Canadian Basic Qualification (at least as far as electronic theory goes.) I would be interested in getting input from people in other countries so as to develop a common curriculum so that American etc. children could also use the web site to study for their basic exam as well. I am not looking to start a new newsletter but to contribute to the ones that are already there.

This is not to say that we would create a fully functioning web site right away, but rather, have the blue print for one. Then I, or others who wish to help could write articles and create demos for the web site. These articles could be submitted to local ham newsletters as an "Extra For Kids" as well as placed on the web site. The articles should also direct the kids to the web site. The web site would serve as a framework for deciding which topics get writeups.

As I see it the benefits of this approach would be as follows. Kids would have a web site specifically geared towards their level. Local ham newsletters would/could receive articles that might help parents interest their children in their ham radio hobby. If the articles are kept generic perhaps they could be submitted to several newsletters. This would give the newsletters more contributing authors. It would also reduce the burden on any one author who might feel like they have to create an article each month.

> I would like to participate in something like this. Getting the money
> to do it is another problem. The expenses of the ElmeRadio projects are
> killing me, and finding enough time is an even bigger problem. However,
> with enough volunteer help it could be done--and it would be fun and
> rewarding for all who helped.

I don't think the approach I mentioned would be very expensive. I think the expense would come if we began offering kits for building. In terms of kits what I would like to see happen is that if local clubs decide what we are doing is of benefit then perhaps they could sponsor a kit. That way we spread the work and expense around.

> Brian has proposed a huge undertaking. I want to help. I think it is a
> most excellent idea. I hope that anyone willing to help will reply to
> this message.
> If we can get enough volunteers no one will need to sacrifice their
> personal life or all of their radio time in order to get the job done.

This is (or could be) a huge undertaking. But it doesn't all have to be

done at once. Nor does it have to be done by one person alone. It should have a co-ordinator, and I am volunteering. Or if someone else has a burning desire to co-ordinate this project I am willing to step aside. I am also offering to contribute articles, java applets etc. If we really want to make a sharp looking web site we are going to especially need someone who can draw something more complicated than a grain-elevator (my highest graphical achievement).

Now, regarding the time required for this project and finding volunteers I humbly submit the following: The next time someone wants to email the group or write into their local newsletter complaining about how the average age of hams is constantly increasing, or how the internet etc. is killing ham radio, instead of taking the time to complain they do something for the project instead. It does not have to be much: write an article; email me the idea for an article; email me with a link to something that already exists on the web etc. If you do email me with something regarding Ham Radio for Kids you might want to preface the subject with a heading like "HamForKids:" so I can keep the emails from getting lost with the others that I get.

Brian.

```
+-----+
| Brian Buydens,           Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca           http://duke.usask.ca/~buydens |
| VE5RDV                                     |
+-----+
| Who is General Failure and why is he trying to read my hard drive?      |
+-----+
```

Date: Wed, 8 Dec 1999 14:01:04 -0700
From: zmola@campbellsci.com
To: qrp-l@lehigh.edu
Subject: [57616] tube kits
Message-ID: <199912082051.UAA09018@demeter.campbellsci.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I just came across this site that has a tube regen receiver kit.

<http://www.ghostmoon.bigstep.com/>

it looks neat.

Carl

Carl
zmola@campbellsci.com

Date: Wed, 08 Dec 1999 15:58:07 -0500
From: sergio <sruiz@bright.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [57617] 10m rig kit??
Message-ID: <384EC65F.47E93936@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

can someone give me the url to that 10m rig kit that was just
advertised? i seem to have lost the url..

thanks!

--

--
peace,
sergio
<http://www.bright.net/~sruiz> <-- The Village Buzz
"quoting other people is really lame and unoriginal" ...sergio

Date: Wed, 08 Dec 1999 16:03:57 -0500
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [57618] Re: Getting feedline into house
Message-ID: <3.0.32.19991208155709.0068a29c@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

> I use 2 1/2 inch PVC pipe. The length of the pipe is cut to
> the thickness of the wall plus 1 inch.. A hole saw the diameter

>of the PVC pipe is used inside and outside of the house to
>clearance holes for the pipe. The PVC pipe is inserted through
>the wall and through the holes made by the saw. Outside, a PVC 45
>deg elbow is glued to the pipe for water drainage. Inside a PVC
>coupler is glued onto the pipe. The antenna wire is fed through
>the pipe. It has nice pprofessional look to it.

>

>Hope this helps.

>--

>73, Jerry Haigwood, W5JH, Peoria, AZ USA

>web page <http://www.swlink.net/~w5jh/>

>

Jerry and gang,

I do it pretty much the same way as you do Jerry. I use a long
drill (3/16" dia X 12")....available from Wal-mart or who ever
sells Black and Decker stuff locally to establish a pilot hole.
The pilot hole is drilled through the wall at an angle and
then it is a simple task to enlarge the hole with a saw that
matches the pvc pipe OD.

The job could get pretty exciting if you drill through wiring
or a water pipe so it's a good idea to establish the location
of that stuff before starting the project!!! :-)

73 Pete NV4V

Date: Wed, 8 Dec 1999 21:02:34 +0000

From: Larry Cahoon <wd3p@juno.com>

To: zmola@campbellsci.com, qrp-1@Lehigh.EDU

Subject: [57619] WAS

Message-ID: <19991208.210828.3742.2.wd3p@juno.com>

>

>Do people consider it fair to WAS from multiple locations. I will be
>operating from Chicago this holiday season and expect to nab quite
>a few new states.

>

Carl - I know ARRL has a distance rule - I don't remember the exact
number, but it is something like all must have been worked from with in a
circle of 50 mile radius. The one group that does not care about your
QTH is the county hunters - you can work the US counties from anywhere in
the world and they count.

73 de Larry.....WD3P

Why pay more to get Web access?
Try Juno for FREE -- then it's just \$9.95/month if you act NOW!
Get your free software today: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 09 Dec 1999 08:26:44 +1100
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [57620] Re: Ham Radio for Kids
Message-ID: <384ECD14.21ED3E0F@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Brian.Buydens@usask.ca" wrote:

> Bruce Kizerian wrote:

As always I'm 100% behind this and whatever web resources I can provide I most certainly will. Just ask

72/73's

Ian Purdie Budgewoi N.S.W. Australia - Co-ords 33o:14':00" S 151o:34':00" E
VK2TIP "I'll give you the TIP mate" QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/> URL - <http://www.qsl.net/vk2tip/>

Date: Wed, 8 Dec 1999 14:53:54 -0800 (PST)
From: Paul Erickson <paule@sfu.ca>
To: qrp-l@lehigh.edu (qrp), qrp-canada@lists.gpfn.sk.ca (qrp-canada)
Subject: [57621] super cmos III instructions
Message-ID: <199912082253.0AA13546@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have managed to lose the instruction sheet for the super cmos III keyer. Anyone have the commands in a file they could send me?

cheers, Paul - VE7CQK - email: paule@sfu.ca

Date: Wed, 8 Dec 1999 16:09:19 -0700
From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: "'qrp-1'" <qrp-1@lehigh.edu>
Cc: "'na5n@rt66.com'" <na5n@rt66.com>
Subject: [57622] O-Scopes
Message-ID: <F9645092A142D3118CBD00805F15292E03CE7E98@eb-mail1.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain

Paul said:

"PS - making those waveform illustrations really sucked swampwater!

72, Paul Harden, NA5N
NA5N@Rt66.com"

I bet they did but I would like to thank you for sucking that swamp water,
this will be at my bed side for some time to come.

de KI00T, Brad

Date: Wed, 8 Dec 1999 17:21:06 -0600
From: "Terry Bassett" <mutabut@net66.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [57623] FOX LOG revised: KB9TIQ
Message-ID: <000b01bf41d2\$e7e44e60\$1a5e8bce@host.net66.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Callsign	Name	S/P/C	RST	RST	QRPL #
KA9TXE	Terry	IL	589	399	977
K2UD	Howard	NY	559	499	1535
N1TP	Tom	FL	55n	128	1317
KC2BJJ	Tom	Mo	349	239	

Tony's words:

Conditions were better this week, but still a lot of QRM.

73,

Tony, KB9TIQ

Date: Wed, 08 Dec 1999 15:24:19 -0800
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [57624] Obsessed!
Message-ID: <384EE8A3.3EBEA447@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The XMAS tree has been installed at work. My first thoughts were about where the other end of my stealth dipole should be connected.

No problem where to connect on the 14 foot tree :)

It's a nice tree so on second thought, I'd better keep the radio at home.

Geesh, I'm getting a bit obsessed with catching the fox. And we are on the 2nd floor.....HMMMMMMMMM... Slap! Wake up Ed! Ok. Started slipping again....

72/Ed we6w

--
-72/Ed WE6W; AR Millennium Q's=> 2341/2000 A-1 OP
<http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275 QRP-L#1068 Old NC#2227

Date: Wed, 08 Dec 1999 18:26:10 EST
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [57625] J-38 lapel pins
Message-ID: <19991208.172432.4671.0.N5IB@juno.com>

A box of really neat lapel/tie/hat pins depicting the venerable J-38 arrived here in cajunland. Many thanks to Scott, N3BYY, for the hard work in getting this project to completion. They really look nice. Can't wait for the next club gathering to show one off... glad I ordered a few extra...

72

Jim N5IB

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Date: Wed, 08 Dec 1999 16:30:10 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: QRP-L <qrp-l@lehigh.edu>, ELECRAFT <elecraft@qth.net>
Subject: [57626] 'Tis the season - clipart (ham)
Message-ID: <384E8792.5665BE9D@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thought I'd try to cobble some wrapping paper up using ham radio clipart. My search came up with some pretty good sites:

<http://www.qni.com/~kg0zz/clipart/>

<http://www.barrysclipart.com/clipart/hamradio/>

<http://www.ac6v.com> (This is a great site)

<http://www.tk5nn.com> (another great site)

I dropped the various clips into a blank page with Publisher, and it came out pretty well. Have fun.

--

73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Wed, 08 Dec 1999 18:31:41 -0500
From: radioham@erols.com
To: zmolac@campbellsci.com, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [57627] WAS from Multiple Locations
Message-ID: <3.0.6.32.19991208183141.007ab100@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Carl-

You can work states from as many locations as you want, but if you want the contacts to count for awards from the ARRL or QRP ARCI, the furthest had better be no more than 50 miles from any other. The easy way to look at this is just to draw a 50 mile radius around your first contact location and no other contact which you want to count can be made from outside that circle.

Check <http://www.arrl.com/awards/was/> for the ARRL rules and <http://www.qrparci.org/arciaawds.html> for the QRP ARCI rules.

Both are very clear about this provision and it applies to all other awards for which multiple contacts have to be made. How anyone "feels" or the "conventional wisdom" doesn't apply here.

Sorry, but they are the rules.

72/73,

Steve, N4EUK
QRP ARCI Awards Manager
Reston, VA

Date: Wed, 08 Dec 1999 18:43:39 -0500
From: "C. Lamar Derk" <n3at@no1n.com>
To: qrp-1@Lehigh.EDU
Subject: [57628] Zombie shuffle pins
Message-ID: <384EED2B.7A399BF4@no1n.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Has anyone heard anything more about the pins and certificates that were to be given to those who participated in the "Shuffle"?

Lamar - N3AT

Date: Wed, 8 Dec 1999 16:35:25 -0700
From: jaywa5whn@juno.com
To: qrp-1@lehigh.edu
Subject: [57629] Re: QRP Y2K Contest
Message-ID: <19991208.163531.-1014147.1.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I am getting lots of inquiries about this contest. Let's see if I can clear up some of the confusion.

Yes, the multiplier for commercial main is 2X. Commercial main defined as AC {120 VAC or 220 VAC} out of the wall, it was transmitted over a 50 or 60 Hz power line system to your location. DC is a multiplier of 1X. DC defined as battery, solar, generator, wind turbines, etc.. This was KI6DS's suggestion during the 1999 Ft. Tuthill QRP campfire session. Glad to see you on line again Doug. :-)

You can blame W5VBO for the contest starting @ 1200 UT instead of 0001 UT on Jan. 1. Remember, Brian W5VBO during the 1999 ARRL Field Day Contest had set back all the Canadian Time Standards because his laptop's clock was off by 12 hours & that had propagated around the world. ;-)
{This is true, except for the part about propagating around the world.}

Example one:

W5VBO works WA5WHN on 40 meters PSK-31 mode. W5VBO counts as one AZ SPC for WA5WHN. Now, 5 minutes later on 40 meters CW, W5VBO works WA5WHN. W5VBO counts as another contact, but not as another SPC. Yes, if you work SSB, CW, PSK-31 on 40 meters, that's 3 separate modes and you can work the same station provided it is via a different mode, however, they only count once for the SPC. BTW, no cross modes, cw to SSB contacts.

Example two:

W5VBO works WA5WHN on 20 meters PSK-31 mode. W5VBO only counts as a contact, not another SPC multiplier. SPCs are only counted once, regardless of what band you are on.

The purpose of this contest is for you {individually} to have fun. Fire up the burner, pour your favorite hot beverage & just relax and operate, except for the Ops down under. Pour yourselves a cool beverage. :-)

If you have any questions, email me wa5whn@hotmail.com or
jaywa5whn@juno.com

Remember, the world ends on Jan. 1, 1900 @ midnight local. ; -)

ARL 61...Jay, WA5WHN DM65qd Albuquerque, NM USA

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Date: Wed, 8 Dec 1999 23:57:02 -0000
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: <n7kt@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [57630] Re: 'Tis the season - clipart (ham)
Message-ID: <00a401bf41d7\$eecc3e40\$76a732d4@prsat0xl>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<http://www.ac6v.com>

Thanks for the info, there is a slight error as above though FYI (missing
colon)

Best wishes all

Frank G3YCC G QRP 042
QRP web page <http://www.g3ycc.karoo.net>

End of QRP-L Digest 1663

